

# Daixiang Mou

## List of Publications by Year in descending order

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41  
papers

4,820  
citations

218677

26  
h-index

276875

41  
g-index

41  
all docs

41  
docs citations

41  
times ranked

5647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a Weyl fermion state with Fermi arcs in niobium arsenide. Nature Physics, 2015, 11, 748-754.	16.7	817
2	Phase diagram and electronic indication of high-temperature superconductivity at 65 K in single-layer FeSe films. Nature Materials, 2013, 12, 605-610.	27.5	706
3	Electronic origin of high-temperature superconductivity in single-layer FeSe superconductor. Nature Communications, 2012, 3, 931.	12.8	495
4	Spectroscopic evidence for a type II Weyl semimetallic state in MoTe <sub>2</sub> . Nature Materials, 2016, 15, 1155-1160.	27.5	437
5	Observation of Fermi arcs in the type-II Weyl semimetal candidate $WTe_2$ . Physical Review B, 2016, 94, .	27.5	230
6	Dirac node arcs in PtSn <sub>4</sub> . Nature Physics, 2016, 12, 667-671.	16.7	223
7	Distinct Fermi Surface Topology and Nodeless Superconducting Gap in a $Tl_{0.58}Rb_{0.42}Bi_2$ . Physical Review Letters, 2011, 106, 167001.	27.5	207
8	Coexistence of Fermi arcs and Fermi pockets in a high-T <sub>c</sub> copper oxide superconductor. Nature, 2009, 462, 335-338.	27.8	199
9	Temperature-Induced Lifshitz Transition in $WTe_2$ . Physical Review Letters, 2015, 115, 166602.	7.8	176
10	Robustness of topological order and formation of quantum well states in topological insulators exposed to ambient environment. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3694-3698.	7.1	158
11	Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate $Mo_2X_3$ . Physical Review B, 2016, 94, .	27.5	115
12	Tunable Dirac Fermion Dynamics in Topological Insulators. Scientific Reports, 2013, 3, 2411.	3.3	94
13	Orbital-selective spin texture and its manipulation in a topological insulator. Nature Communications, 2014, 5, 3382.	12.8	78
14	Common Fermi-surface topology and nodeless superconducting gap of $K_0C_68$ . Physical Review Letters, 2015, 115, 166602.	3.2	73
15	Electronic structure and superconductivity of FeSe-related superconductors. Journal of Physics Condensed Matter, 2015, 27, 183201.	1.8	71
16	Enhancement of the Superconducting Gap by Nesting in $CaKFe_4$ . Physical Review Letters, 2016, 117, 277001.	7.8	71
17	Electronic evidence of an insulator-superconductor crossover in single-layer FeSe/SrTiO <sub>3</sub> films. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18501-18506.	7.1	67
18	Tunable vacuum ultraviolet laser based spectrometer for angle resolved photoemission spectroscopy. Review of Scientific Instruments, 2014, 85, 033902.	1.3	61

#	ARTICLE	IF	CITATIONS
19	Disappearance of nodal gap across the insulator–superconductor transition in a copper-oxide superconductor. Nature Communications, 2013, 4, 2459.	12.8	60
20	Dichotomy of the electronic structure and superconductivity between single-layer and double-layer FeSe/SrTiO <sub>3</sub> films. Nature Communications, 2014, 5, 5047.	12.8	57
21	Asymmetric mass acquisition in LaBi: Topological semimetal candidate. Physical Review B, 2016, 94, .	3.2	52
22	Electronic structure of $R\text{Sb}_2\text{O}_7$ ( $R = \text{Bi, Tb, Dy, Ho, Er, Tm, Yb}$ ) revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, .	3.2	41
23	Structural, magnetic and electronic properties of the iron-chalcogenide $\text{AxFe}_2\text{ySe}_2$ ( $A = \text{K, Cs, Rb, and Tl}$ ). Physical Review B, 2017, 96, .	5.0	34
24	Coexistence of Two Sharp-Mode Couplings and their Unusual Momentum Dependence in the Superconducting State of $\text{Bi}_2\text{O}_8\text{S}_2$ . Physical Review Letters, 2013, 111, 107005.	7.8	28
25	Unusual Electronic Structure and Observation of Dispersion Kink in CeFeAsO Parent Compound of FeAs-based Superconductors. Physical Review Letters, 2010, 105, 027001.	7.8	26
26	Three-dimensionality of the bulk electronic structure in $\text{WTe}_2$ . Physical Review B, 2017, 95, .	7.8	26
27	Physical Origin of the Anomalous Charge Density Wave at the Surface of $\text{K}_0.9\text{O}_7$ . Physical Review Letters, 2016, 116, 196401.	7.8	25
28	Momentum dependence of the superconducting gap and in-gap states in $\text{MgB}_2$ multiband superconductor. Physical Review B, 2015, 91, .	3.2	20
29	Anomalous High-Energy Waterfall-Like Electronic Structure in 5 d Transition Metal Oxide $\text{Sr}_2\text{IrO}_4$ with a Strong Spin-Orbit Coupling. Scientific Reports, 2015, 5, 13036.	3.3	17
30	Strong interaction between electrons and collective excitations in the multiband superconductor $\text{MgB}_2$ . Physical Review B, 2015, 91, .	3.2	16
31	Direct observation of self-energy signatures of the resonant collective mode in $\text{Bi}_2\text{O}_8\text{S}_2$ . Physical Review B, 2017, 95, .	3.2	15
32	In-plane magnetic penetration depth of superconducting $\text{CaKFe}_4\text{As}_2$ . Physical Review B, 2018, 97, .	3.2	14
33	self-energy and pairing self-energy in the superconducting state of the $\text{Bi}_2\text{O}_8\text{S}_2$ . Physical Review B, 2017, 95, .	3.2	14
34	Charge-density wave and one-dimensional electronic spectra in blue bronze: Incoherent solitons and spin-charge separation. Physical Review B, 2014, 89, .	3.2	13
35	Electronic structure of the topological superconductor candidate $\text{AuSb}_2$ . Physical Review B, 2018, 98, .	3.2	13
36	Fermi surface sheet-dependent band splitting in $\text{SrRuO}_4$ revealed by high-resolution angle-resolved photoemission spectroscopy. Physical Review B, 2012, 86, .	3.2	8

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37	Isotope effect on electron-phonon interaction in the multiband superconductor $\text{MgB}_2$ . Physical Review B, 2016, 93, .	3.2	7
38	Weak Electron-Phonon Coupling and Unusual Electron Scattering of Topological Surface States in Sb(111) by Laser-Based Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2014, 31, 067305.	3.3	6
39	Laser angle-resolved photoemission as a probe of initial state $k_z$ dispersion, final-state band gaps, and spin texture of Dirac states in the $\text{Bi}_2\text{Te}_3$ topological insulator. Physical Review B, 2016, 94, .	3.2	3
40	Anisotropic physical properties and pressure dependent magnetic ordering of $\text{CrAuTe}_4$ . Physical Review B, 2016, 94, .	3.2	3
41	Evidence for a large Rashba splitting in $\text{PtPb}_4$ from angle-resolved photoemission spectroscopy. Physical Review B, 2021, 103, .	3.2	3